

[illegible]

FIGURE 1 CONTINUED

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** * **** ** * * * * *
SEQ ID NO:14 GAAASIVFRVDSVSLARGDVELEAEPDGVAGAGAVSSRGGDAGRVRVTVRKSTSSRS
SEQ ID NO:30 DTAASIVSIHVSDVMSLD-GRQPLETEAEI-----KEDGKLHVTVRKSNASRS
SEQ ID NO:34 ETAGSITSFRVDSVSLN-GREPLQTD AEI-----GEDGKLHV VVKRS-AASS
SEQ ID NO:38 DVGASIASFRVDSVSLN-GREALHADA EV-----GRDGRVHV VIRR SASGST
SEQ ID NO:43 ETAGSITSFRVDSVSLN-GREPLQTD AEI-----GDDGKLHV VVRRSSAASS
SEQ ID NO:44 DTAGSIVSIHVSDIMS LD-GRQPLETEAEI-----KEDGKLHVTVRRSNASRS

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240

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** *** **** * ** **** * * *
SEQ ID NO:14 EAACSHSHSQ-----TMQPRVSNLSGVEIYSLQSSRNPTPRGSSFNHADFFNIVGAA-
SEQ ID NO:30 DI---FSRR---SQGLSSTTPRPSNLTNAEIIYSLQSSRNPTPRGSSFNHTDFYSMMAAG-
SEQ ID NO:34 MIS-SFNKSHLTSM-----TPRASNLTGVEIYSVQSSREPTPRGSSFNQTD FYAMF-ASK
SEQ ID NO:38 TGGHGAGRS GIYRGASNMTPRASNLTGVEIYSLQTSREPTPRQSSFNQSD FYSMFNGSK
SEQ ID NO:43 MIS-SFNKSHGGGLNSSMITPRASNLTGVEIYSVQSSREPTPRASSFNQTD FYAMFNASK
SEQ ID NO:44 DI---YSRR---SQGLSAT-PRPSNLTNAEIIYSLQSSRNPTPRGSSFNHTDFYSMMASG-

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300

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* * * * *
SEQ ID NO:14 ---AKGG-----GGAAGDE-----
SEQ ID NO:30 -----G-RNSNF-----GASD-VYGLSASRGTPRPSNYDEGGKP--K-----
SEQ ID NO:34 APSPKHGYTNSFQSNNGGIG-DVYSLQSSKGATPRTSNFEEEM LKM HKK--RGGRSMSGE
SEQ ID NO:38 LASPKG-----QPPVAGGG-----ARGQGLDEQVANK-----
SEQ ID NO:43 APSPRHGYTNSYGGAGAGPGGDVYSLQSSKGVTPRTSNFEDEEVMKTAKKAGRGGRSMSGE
SEQ ID NO:44 -----GGRNSNF-----GPGEAVFG---SKGTPRPSNYEEDGGPA--KPTAAGTAAGAG

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301

360

FIGURE 1 CONTINUED

SEQ ID NO:14	* * * * *	---	EKGACGGGGGHSPPQA	---	VAVPAKRKDLHM	*
SEQ ID NO:30			-FHYHA	---	AGTGHYPAPNPGMFSPNSGSKSVAANANAKRPNQOQLKPEDGNRDLHM	
SEQ ID NO:34			LEN	---	GGLVSSNYPPNP-MFSGSTSAAGGPKKKDSSGGG	---
SEQ ID NO:38			-FK	---	GGEAAAPYPAPNP-GMM	---
SEQ ID NO:43			LYN	---	NNSVPS-YPPNP-MFTGSTSGASGVKKKESGGGGVGGQNKEMNM	---
SEQ ID NO:44			RFHYQSGGGGGGAHYAPNPGMFSPNTGGGGTAAGNAPVVGGK	---	RQDGNRDLHM	

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SEQ ID NO:14	*****	*	LVWSSASPVSE	---	RAAVHVFAGGA	---	DHADVLAKGAQAYDEY	---	GRDDY
SEQ ID NO:30			FVWSSASPVSDV	---	FGA	---	HEYGGG	---	HDQKEVKLNVS PGKVEN
SEQ ID NO:34			FVWSSASPVSEGNLRHAVNRAASTDFGTVDPSKAVPHETVASKAVHELIIENMSPGRRGS						
SEQ ID NO:38			FVWSSASPVSEANLRNAVNHAASTDFAAAPPAATPRDGATPRGVSGSVTPVMKKDASS						
SEQ ID NO:43			FVWSSASPVSEANAKNAMTRGSSTDVSTDPKVISIPPHDNLATKAMQNLIENMSPGRKGH						
SEQ ID NO:44			FVWSSASPVSDV	---	FGGGGNHHADYSTATNDHQKDVKISVPQGSND				

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SEQ ID NO:14	***	*****	SSRTKNGSGG	-ADKGGPTLS	-KLGSNSTAQLYPKD	---	DGEGRAAAVAMPPASVMTRLI
SEQ ID NO:30			NHRDT	--QEDYLEKDEFSGNR	---	EMDREMNQLEGEKVGDGK	---
SEQ ID NO:34			GEREP	EMDEG	---	AKIPASGSPYTCQKKVDMEDGNAN	-KNQOMPPASVMTRLI
SEQ ID NO:38			GAVEVEIEDGMMKSPATGLGAKFPVSGSPYVAPRKKGADVPGLEAAHPMPASVMTRLI				
SEQ ID NO:43			VEMDQDGNNG	---	GK	---	SPYMGKKGSDVEDGGPGRKQOMPPASVMTRLI
SEQ ID NO:44			NQ	---	YVEREEFSFGNK	---	DDDSKVLATDGGNNISNKTQAKVMPPTSVMTRLI

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FIGURE 1 CONTINUED

SEQ ID NO:14 LIMVWRKLIIRNPNTYSSLLIGVWWSLVSYRWGIEMPAAIARSISILSDAGLGMAMFSLGLF
SEQ ID NO:30 LIMVWRKLIIRNPNTYSSLLIGLWWSLVSEKWNVEMPAAIAKSISILSDAGLGMAMFSLGLF
SEQ ID NO:34 LIMVWRKLIIRNPNTYSSLLGLTWLSLISFRWHIEMPTIVKGSISILSDAGLGMAMFSLGLF
SEQ ID NO:38 LIMVWRKLIIRNPNTYSSLLIGLWWSLVSEKWNVEMPTIIMSGSISILSDAGLGMAMFSLGLF
SEQ ID NO:43 LIMVWRKLIIRNPNTYSSLLFGLAWSLVSEKWNKIMPTIMSGSISILSDAGLGMAMFSLGLF
SEQ ID NO:44 LIMVWRKLIIRNPNTYSSLLFGITWLSLISFKWNIEMPALIAKSISILSDAGLGMAMFSLGLF
541 600

SEQ ID NO:14 MALQPRIIACGNKLAIAIAMGVRFVAGPAVMAAASIAVGLRGVLLHIAIVQAALPQGIVPF
SEQ ID NO:30 MALQPRVIAACGNSTAFAFAMAVRELTGPVMAAASIAVGLKGVLLHVAIVQAALPQGIVPF
SEQ ID NO:34 MALQPKIIACGKSVAAFSMAVRELTGPVIAATSIGIGLRGVLLHVAIVQAALPQGIVPF
SEQ ID NO:38 MALQPKIIISCGKSVATFAMAVRELTGPVIAATSIAGLRGVLLHVAIVQAALPQGIVPF
SEQ ID NO:43 MALQPKIIACGKSVAGFAMAVRELTGPVIAATSIAGIRGDLHIAIVQAALPQGIVPF
SEQ ID NO:44 MALNPRIIACGNRRRAAFAAAMRFVVGPAVMLVASYAVGLRGVLLHVAIIQAALPQGIVPF
601 660

SEQ ID NO:14 VFAKEYGVHPDILSTA--YG----PITSHGFITCHS
SEQ ID NO:30 VFAKEYNVHPDILSTAVIFGMLIALPITLVYYILLGL
SEQ ID NO:34 VFAKEYNLHADILSTAVIFGMLIALPITILYYVLLGV
SEQ ID NO:38 VFAKEYNCHPQILSTAVIFGMLVALPITILYYVLLGI
SEQ ID NO:43 VFAKEYNVHPDILSTAVIFGMLVALPVTVLYYVLLGL
SEQ ID NO:44 VFAKEYNVHPDILSTAVIFGMLIALPITLLYYILLGL
661 697